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(54) Title: COMPOSITIONS AND METHODS FOR USE IN ISOLATION OF NUCLEIC ACID MOLECULES

(57) Abstract: The present invention relates generally to recombinant genetic technology. More particularly, the present invention relates to compositions and methods for use in selection and isolation of nucleic acid molecules. The invention further relates to methods for the preparation of individual nucleic acid molecules and populations of nucleic acid molecules, as well as nucleic acid molecules produced by these methods. The invention also relates to screening and/or selection methods for identifying and/or isolating nucleic acid molecules which have one or more common features (*e.g.*, characteristics, activities, etc) and populations of nucleic acid molecules which share one or more features.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/15947

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68
US CL : 435/6

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0007051 A1 (CHEO et al.) 17 January 2002 (17.01.2002), see entire document, especially paragraphs 46-51, 54-56, 6779-84, 97-99, 109-111, 120, 133, 157, 165, 356, 517, 690 and 790-819.	1-73
Y	US 5,837,458 A (MINSHULL et al.) 17 November 1998 (17.11.1998), see entire document, especially the Abstract, the Summary of the Invention (column 2-4), column 5, lines 10-23, and column 7, line 53 to column 15, line 28.	1-73
Y,P,	US 6,365,377 B1 (PATTEN et al.) 02 April 2002 (02.04.2002), see entire document, especially the Summary of the Invention (column 2, line 55 to column 6, line 53, and column 18, lines 22-33.	1-73



Further documents are listed in the continuation of Box C.



See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

WEST, DIALOG, MEDLINE, PALM

Search Terms: inventor's names, recursive recombination, recombination, target, (first, second, third, fourth) population, cDNA, genomic, pDONR, lox, att, Cre, Int, prokaryote, eukaryote, yeast, plant, mammal